

embodiments are to be considered as illustrative and not restrictive, and the invention is not to be limited to the details given herein, but may be modified within the scope and equivalents of the appended claims.

What is claimed is:

CLAIMS

1. A cable terminator, comprising:
a printed circuit board having termination circuitry;
5 a ribbon cable having a first end and a second end, the first end being electrically connected to the printed circuit board to enable termination at the first end; and
an encapsulating mold enclosing the printed circuit board and the first end of the ribbon cable.

10 2. A cable terminator as recited in claim 1, wherein the ribbon cable is a SCSI cable.

15 3. A cable terminator as recited in claim 1, wherein the ribbon cable is a LVD cable.

4. A cable terminator as recited in claim 1, wherein the printed circuit board is electrically passive.

5. A cable terminator as recited in claim 1, wherein the printed circuit board
20 has a board width that approximates a ribbon width of the ribbon cable.

6. A cable terminator as recited in claim 1, wherein the second end of the ribbon cable connects to one of a host adapter card, a motherboard, and a device.

7. A cable terminator as recited in claim 1, wherein peripheral devices are connected to the ribbon cable, and wherein the second end of the ribbon cable connects to a SCSI controller.

5 8. A cable terminator as recited in claim 1, wherein the encapsulating mold is a rigid material, and wherein the rigid material is rubberized plastic.

9. A cable terminator as recited in claim 1, wherein the encapsulating mold is configured to cover the electrical connection between the first end of the ribbon cable and the printed circuit board.

10. A SCSI cable having an integrated terminator, comprising:
a ribbon cable having a first end, a second end, and at least one device connector between the first end and the second end;
15 a printed circuit board having termination circuitry, the termination circuitry being electrically coupled to the first end of the SCSI cable; and
an overmold sealing the printed circuit board and the first end of the SCSI cable, the overmold retaining a single output path for the SCSI cable that extends to the second end.

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11. A SCSI cable having an integrated terminator as recited in claim 10, wherein the printed circuit board is electrically passive.

12. A SCSI cable having an integrated terminator as recited in claim 10, wherein the second end of the SCSI cable connects to one of a host adapter card, a motherboard, and a device.

5 13. A SCSI cable having an integrated terminator as recited in claim 10, wherein the overmold is a rigid material, and wherein the rigid material is rubberized plastic.

14. A SCSI cable having an integrated terminator as recited in claim 10, wherein the overmold is configured to provide a slim and aerodynamic profile to the sealed printed circuit board and first end of the SCSI cable.

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d. 15-20
d. 29/48
15/6/03 15. A method for making a ribbon cable with an integrated terminator, comprising:

providing a terminating circuit board;
connecting an end of a ribbon cable to the terminating circuit board;
inserting the terminating circuit board having the end of the ribbon cable into a mold; and
injecting an encapsulating material into the mold.

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16. A method for making a ribbon cable with an integrated terminator as recited in claim 15, further comprising:
allowing the encapsulating material to at least partially solidify; and

removing ribbon cable with the terminating circuit board from the mold after the encapsulating material partially solidifies.

17. A method for making a ribbon cable with an integrated terminator as recited in claim 16, wherein the encapsulating material is ABS plastic.

18. A method for making a ribbon cable with an integrated terminator as recited in claim 16, wherein the terminating circuit board is a printed circuit board.

19. A method for making a ribbon cable with an integrated terminator as recited in claim 16, wherein the ribbon cable includes a controller end and wherein the controller end of the ribbon cable connects to one of a host adapter card, a motherboard, and a device.

20. A method for making a ribbon cable with an integrated terminator as recited in claim 16, further comprising connecting connectors to the ribbon cable, the connectors configured to interface with one of devices and bus controllers.